

CLAIMS

Claims 1-35 (canceled).

Claim 36 (original): A method for replacing a tissue or body part or filling a void in a tissue comprising (1) preparing a solid implant; (2) preparing an injectable cell-containing formulation; (3) implanting the solid implant into a cavity or defect in the tissue; and (4) injecting the injectable cell-containing formulation into the interstices between the tissue and the solid implant.

Claim 37 (original): The method of Claim 36 in which the solid implant contains cells.

Claim 38 (currently amended): The method of Claim 36 wherein the cells of the injectable cell-containing formulation are chondrocytes.

Claims 39-53 (canceled).

Claim 54 (currently amended): The method of claim 36 for replacing a tissue or body part or filling a void in a tissue wherein the implant is formed of an aggregation of cells on first microcarrier particles which approximates the size and shape of the cavity in the patient's body, and an interface layer of cells between the formed aggregation of cells and the cavity in the patient's body, wherein the formed aggregation of cells are implanted in a substantially solid form following culturing of the cells on the ~~micro-carrier~~ microcarrier particles during a first time period, and wherein the interface layer of cells have been cultured on second microcarrier particles during a second time period which is substantially shorter than the first time period and have been applied while in a substantially fluid state.

Claim 55 (currently amended): The implant method of claim 54, wherein the cells on the

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formed aggregation of cells comprises chondrocytes, thereby resulting in an implant having cartilage properties.

Claim 56 (currently amended): The implant method of claim 55, wherein the formed aggregation of cells comprises a molded aggregation of cells.

Claim 57 (currently amended): The implant method of claim 54, wherein the interface layer of cells comprises cultured stem cells, thereby promoting the rapid integration of the formed aggregation of cells into the soft tissue, muscle or bone surrounding the body cavity.

Claims 58 - 70 (canceled).